

CLAIM AMENDMENTS

Claim 1 (currently amended):

A table saw comprising:

a frame including a table defining a work surface;

an arbor block supported by the frame;

a bearing supported by the arbor block;

a rotatable arbor supported by the bearing;

~~a rotatable blade coupled to the frame~~ mounted on the arbor and extendable up through the work surface;

an adjustment mechanism configured to adjust the position of the blade relative to the table;

a detection system configured to detect ~~contact~~ a dangerous condition between a person and the blade; and

a brake ~~mechanism~~ configured to engage and stop the blade upon detection of ~~contact~~ the dangerous condition between the person and the blade; and

~~a brake positioning system where the brake is mounted to the arbor block to maintain~~ configured to adjust the position of the brake mechanism to maintain the brake mechanism in an operative position relative to the blade as the position of the blade is adjusted.

Claim 2 (original):

The table saw of claim 1, where the adjustment mechanism is configured to adjust the vertical position of the blade relative to the table.

Claim 3 (original):

The table saw of either of claim 1, where the adjustment mechanism is configured to adjust the angular position of the blade relative to the table.

Claim 4 (currently amended):

The table saw of claim 1, where the blade is coupled to the frame by a support structure that is selectively positionable relative to the frame, and where the brake mechanism is coupled to the support structure.

Claims 5-12 (cancelled):

Claim 13 (currently amended):

A woodworking machine comprising:

an electrically conductive cutter;

a detection system adapted to detect ~~contact~~ a dangerous condition between a user and the cutter;

a brake system adapted to engage and stop the cutter when the detection system detects ~~contact~~ the dangerous condition between the user and the cutter; and

a frame supporting the cutter, where the cutter is adapted to be raised and lowered relative to the frame, and where the brake system is configured to raise and lower with the cutter.

Claim 14 (currently amended):

A woodworking machine comprising:

an electrically conductive cutter;

a detection system adapted to detect ~~contact~~ a dangerous condition between a user and the cutter;

a brake system adapted to engage and stop the cutter when the detection system detects ~~contact~~ a dangerous condition between the user and the cutter, where the brake is triggered automatically when the detection system detects the dangerous condition; and

a frame supporting the cutter, where the cutter is adapted to be tilted relative to the frame, and where the brake system is configured to tilt with the cutter.

Claim 15 (currently amended):

A table saw comprising:

a frame including a table defining a work surface;

a rotatable blade coupled to the frame and extendable up through the work surface;

adjustment means for adjusting the position of the blade up and down relative to the table;

detection means for detecting ~~contact~~ a dangerous condition between a person and the blade;

brake means for engaging and stopping the blade upon detection of ~~contact~~ the dangerous condition between the person and the blade; and

brake positioning means for ~~maintaining~~ moving the brake means up and down with the blade to maintain the brake means in an operative position relative to the blade as the position of the blade is adjusted up and down.

Claims 16-29 (cancelled).

Claim 30 (currently amended):

The table saw of claim 1, where the blade includes a perimeter and a cutting edge around its perimeter, where the brake ~~mechanism~~ is configured to engage the cutting edge of the blade to stop the blade upon detection of ~~contact~~ the dangerous condition between the person and the blade, and where ~~the brake positioning system maintains the brake mechanism in a position~~ the operative position of the brake is adjacent the cutting edge ~~as the position of the blade relative to the table is adjusted.~~

Claim 31 (previously presented):

The table saw of claim 30, where the adjustment mechanism is configured to tilt the blade relative to the table.

Claim 32 (previously presented):

The table saw of claim 30, where the adjustment mechanism is configured to change the elevation of the blade relative to the table.

Claim 33 (currently amended):

The table saw of claim 1, where the ~~brake positioning system is further configured to support~~ arbor block supports the brake ~~mechanism~~ when the brake ~~mechanism~~ engages the blade.